## EAST Search History

| Ref #      | Hits | Search Query                | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|------------|------|-----------------------------|--|---------------------|---------|---------------------|
| Ll         | 192  | Tsukagoshi near2<br>Takuya  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/02/26<br>15:45 |
| L2         | 312  | Yoshinari near2<br>Jiro     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/02/26<br>15:45 |
| L3         | 184  | Miura near2<br>Hideaki      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/02/26<br>15:45 |
| L4         | 156  | Mizushima near2<br>Tetsuro  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/02/26<br>15:45 |
| L5         | 540  | L1 or L2 or L3 or<br>L4     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/02/26<br>15:45 |
| L6         | 362  | (layer near5<br>servo).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/02/26<br>15:45 |
| <b>L</b> 7 | 12   | L5 and L6                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/02/26<br>15:45 |

| S1  | 1      | 10/569208                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ior | ON   | 2009/02/20<br>13:28 |
|-----|--------|---------------------------------|--|-----|--|---------------------|
| 52  | 4      | 7031037*                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON   | 2009/02/20<br>13:29 |
| 53  | 6830   | holograph\$5 near5<br>recording | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON   | 2009/02/20<br>13:34 |
| S4  | 159339 | layer near5<br>recording        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | IOR | ON   | 2009/02/20<br>13:34 |
| S5  | 2498   | layer near5 servo               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON   | 2009/02/20<br>13:34 |
| \$6 | 164    | \$3 and \$4 and \$5             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ion<br>ion<br>ion<br>ion<br>ion<br>ion<br>ion<br>ion<br>ion<br>ion | 2009/02/20<br>13:34 |
| \$7 | 52394  | tdk                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | PON  | 2009/02/20<br>13:34 |
| S8  | 14     | S6 and S7                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON   | 2009/02/20<br>13:35 |

| 59  | 142784 | reference near5<br>(light or beam)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR         | oon  | 2009/02/20<br>13:40 |
|-----|--------|--|--|------------|--|---------------------|
| S10 | 138    | S6 and S9  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR         | ON   | 2009/02/20<br>13:40 |
| S11 | 146559 | wavelength near5<br>(different or<br>second or referece<br>or servo) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR         | ON   | 2009/02/20<br>13:42 |
| S12 | 99     | \$10 and \$11  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR         | ON   | 2009/02/20<br>13:42 |
| S13 | 128    | ((layer near5<br>servo) near11<br>wavelength                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ior        | ON   | 2009/02/20<br>13:43 |
| S14 | 37     | S12 and S13  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ior<br>ior | ion<br>iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii | 2009/02/20<br>13:43 |
| S15 | 6843   | holograph\$5 near5<br>recording                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR         | ON   | 2009/02/23<br>12:55 |
| S16 | 8976   | holograph\$5 near7<br>(disk or disc or<br>medium)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR         | ON   | 2009/02/23          |

| S17 | 359    | (interference<br>near5 pattern)<br>near17 (recording<br>adj2 layer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | MANAGEMENT OF THE STATE OF THE | 2009/02/23<br>12:56 |
|-----|--------|--|--|----|---|---------------------|
| S18 | 199    | \$16 and \$17  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>12:56 |
| S19 | 128    | (layer near5<br>servo) near11<br>wavelength                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>12:57 |
| S20 | 146672 | wavelength near5<br>(different or<br>second or referece<br>or servo) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ion   | 2009/02/23<br>12:57 |
| S21 | 117    | S18 and S20  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>12:57 |
| S22 | 52636  | tdk  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>12:57 |
| S23 | 5      | S21 and S22  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>12:57 |
| S24 | 7615   | (layer) near19<br>(select\$3 near5<br>wavelength)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ion   | 2009/02/23<br>13:00 |

| S25 | 43     | S21 and S24                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | oon | 2009/02/23<br>13:01 |
|-----|--------|--------------------------------------|--|----|-----|---------------------|
| S26 | 142885 | reference near5<br>(light or beam)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:06 |
| S27 | 43     | \$25 and \$26                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:06 |
| S28 | 110    | S16 and S24                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:08 |
| S29 | 90     | S20 and S28                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:08 |
| s30 | 2498   | layer near5 servo                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:09 |
| 531 | 49     | S29 and S30                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:09 |
| 532 | 24710  | layer near5 (servo<br>or modulat\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:16 |

| <b>S</b> 33 | 366 | S16 and S32   | US-PGPUB;<br>USPAT;   | OR                                      | ON   | 2009/02/23          |
|-------------|-----|---|---|---|--|---------------------|
|             |     |   | USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;                            |   |  | 13:1/               |
|             |     | ***   | IBM_TDB   | *************************************** |  |                     |
| S34         | 65  | S24 and S33   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR                                      | ON   | 2009/02/23<br>13:17 |
| S35         | 70  | (servo near2<br>layer) near17<br>(pass or through)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR                                      | ON   | 2009/02/23          |
| S36         | 11  | S16 and S35   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR                                      | ON   | 2009/02/23          |
| S37         | 1   | "7031038".PN.   | USPAT;<br>USOCR   | OR                                      | ON   | 2009/02/23<br>13:23 |
| S38         | 1   | "6738322".PN.   | USPAT;<br>USOCR   | OR                                      | ON   | 2009/02/23<br>13:24 |
| S39         | 1   | "6738322".PN.   | USPAT;<br>USOCR   | OR                                      | ON   | 2009/02/23<br>13:24 |
| S40         | 1   | "4870508".PN.   | USPAT;<br>USOCR   | OR                                      | ON   | 2009/02/23<br>13:24 |
| S41         | 1   | "5784353".PN.   | USPAT;<br>USOCR   | OR                                      | ON   | 2009/02/23<br>13:24 |
| 542         | 11  | ((servo near2<br>layer) near17<br>(pass or<br>through)) .clm. | US-PGPUB;<br>US-PGPUB;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | on on the state of | 2009/02/23<br>13:26 |
| S43         | 1   | "6156482".PN.   | USPAT;<br>USOCR   | OR                                      | ON   | 2009/02/23<br>13:27 |
| S44         | 1   | "5914926".PN.   | USPAT;<br>USOCR   | OR                                      | ON   | 2009/02/23<br>13:28 |
| s45         | 71  | (layer near5<br>servo) near11<br>manufactur\$5                | US-PGPUB;<br>US-PGPUB;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | MON  | 2009/02/23<br>13:51 |

| S46 | 3     | 516 and 545   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:51 |
|-----|-------|---|--|----|-----|---------------------|
| S47 | 14    | (layer near5<br>servo) near11<br>grating  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ion | 2009/02/23<br>13:54 |
| S48 | 852   | (layer near5<br>(servo or grating<br>or diffract\$3))<br>near17 manufactur<br>\$5 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ion | 2009/02/23<br>13:56 |
| S49 | 11    | \$16 and \$48   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>13:56 |
| S50 | 92437 | (layer) near9<br>(both adj2 side)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>14:01 |
| S51 | 95    | S48 and S50   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>14:01 |
| s52 | 39789 | (laser or light or<br>beam) near9 (both<br>adj2 side)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ion | 2009/02/23<br>14:01 |
| S53 | 28    | S51 and S52   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ion | 2009/02/23<br>14:02 |

| \$54 | 757 | (layer near5<br>(grating or<br>diffract\$3))<br>near17 manufactur<br>\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>14:04 |
|------|-----|--|--|----|---|---------------------|
| S55  | 191 | (layer near5<br>(grating or<br>diffract\$3))<br>near17 (both adj2<br>side) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ion   | 2009/02/23<br>14:05 |
| S56  | 20  | S54 and S55  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/23<br>14:05 |
| S57  | 192 | Tsukagoshi near2<br>Takuya   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/26<br>13:37 |
| S58  | 312 | Yoshinari near2<br>Jiro  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/26<br>13:38 |
| \$59 | 184 | Miura near2<br>Hideaki   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/26<br>13:38 |
| S60  | 156 | Mizushima near2<br>Tetsuro   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | MON<br>MANAGEMENT OF THE PROPERTY | 2009/02/26          |
| S61  | 540 | S57 or S58 or S59<br>or S60  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/26<br>13:39 |

| S62 | 2501 | layer near5 servo                                  | US-PGPUB;<br>US-PGPUB;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/26<br>13:39 |
|-----|------|--|---|----|----|---------------------|
| 563 | 31   | 361 and 362  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | ON | 2009/02/26<br>13:39 |
| S64 | 362  | (layer near5<br>servo).clm.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | ON | 2009/02/26<br>13:40 |
| S65 | 12   | 361 and 364  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | ON | 2009/02/26<br>13:40 |
| S66 | 209  | (layer near5<br>servo) near11<br>(above or fac\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | ON | 2009/02/26<br>13:43 |
| S67 | 9    | S61 and S66  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | ON | 2009/02/26<br>13:44 |
| S68 | 4    | "7031037"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB    | OR | ON | 2009/02/26<br>13:50 |

## 2/26/2009 3:57:41 PM

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